PROPLICAT INSPECTION

ARTICLE NO.352	ME 16 NOU!	956
NOSE SECTION:	MECH.	INSP.
1. Plastic nose & windows free of cracks & secure.	Ke &	
2. ARN/6 boot for condition & closed, ARN/6 and compass se	cure. Red	
3. Brake fluid for proper level & cap secure.	Red	
4. Cabin pressure test fitting secure.	Red	
5. Pitot clean & secure, check AIRSPEED.	7/	
6. Nose section clean & OK to close panel.	Bill	
7. Access panel installed.	allex	
8, All items cleared. CREW CHIEF:	Mey	
COCKPIT EXTERNAL:	Red	
1. Static holes all open.	Red	
2. Canopy external handle secure.	Ked	
3. Lower antenna secure.	Post	
4. Windshield & canopy glass cleanliness & condition.	3/	
5. All items cleared. CREW CHIEF:	sux	
COCKPIT INTERNAL:		
1. Canopy antenna connection secure.	Rica	
2. Canopy emergency release handle locked & safetied (020 copper wire).	Risa	(
3. Canopy for proper latching with aft hatch installed.	A.	
4. Canopy seal & connection for condition.	L. Ker	
5. Brakes for solid feel.		
6. Rudder pedals for freedom & operation of adjustment.	H	
7. Elevator for operation & freedom.		
8. Aileron for operation & freedom.	H.	
9. Elevator tab for operation & direction. Set to neutral	· H	
10. AiApproved For Release 2000/04/18 CIA-RDP89B0055	\mathcal{U}	11-5

COCKPIT INTERNAL: (Continued)	MACH.,	INSE.
11. Throttle for operation & friction look.	X	ganggagang Company on Company and Co
12. U.H.F.	20-44	gi
13. Alchehol & rag in map case.	A.	
14. Instruments for condition & cleanliness.	\mathcal{H}_{-}	apparagus paragus paragus and a second secon
15. Autopilot:		25X1A
a. Power on.		for any age interpolation and a second section of
b. Inverter onc		
c. After 3 minutes turn autopilot on. (Stick should not move fore or aft.)		
d. Check roll trim knob for operation. Wheel should move approximately the same distance each direction.		
e. Check yaw trim knob for operation.		
f. Check pitch trim knob for operation.		
g. Check turn knob for operation.	the state of the s	
h. Overpower autopilot in all three axes. (Stick and rudder pedals should return smoothly to initial position)	
i. Center yaw and roll trim knobs.		
j. Inverter off.		
k. Power off.		-1
16. Circuit breakers set or into white line.	W	
17. Seat belt & shoulder straps for condition & operation.	1	
18. Oxygen system checked out, system pressure 1800-2000# cap installed, check out face heat.	My	
19. Warning lights for operation.	W	
20. Emergency battery for operation, check voltage with precision meter.	W. Company	:
21. Seat for condition & operation.		
22. Interior lights for operation & security.	\\ \	
23. Cockpit floor cleaned.).	
24. All items cleared. CREW CHIEF:	ally	

EQUIPMENT BAY:	MECH.	List
1. Peacan drained, flushed & valve closed.	H	and the second section of the second section is a second section of the second
2. Cockpit regulators for cleanliness & condition.	<u> </u>	
3. Control cables for freedom, operation & turnbarrels safeties	• 24	and the second second second second
4. Equipment for security in hatch & bay.	alix	
5. Lower hatch & seal for operation & condition of latching mechanism.	Mey	
6. OK to install lower hatch.	164	***************************************
7. Lower hatch installed, latched and safetied.	Alix	
8. Check HF radio equipment for security.	#	The second secon
9. Upper hatch latching mechanism for operations.	alex	gada girinda ayan da ayan ayan ayan ayan ayan aya
10. Pressure regulator safetied in flight position.)+	
11. OK to install upper hatch.	Mert	Annual Annua
12. Upper hatch installed, latched & safetied.	alex	
13. All items cleared. CREW CHIEF:	plu	
UPPER CROTCH BAY:		
1. Heat exchanger duct connections for security.	Bee	
2. Check for plumbing or anything riding structure.	Ben	
3. OK to close access door.	Bu	
4. Access door closed & secure.	Ben	
5. All items cleared. CHREW CHIEF:	MAL	
ENGINE AIR DUCTS:		
1. R/H & L/H main ducts for cracks & cleanliness.	Red	
2. R/H oil cooler duct for cracks & cleanliness.	Red	
3. Check inlet guide vanes, compressor rotor & stator blades for dents, nicks or other evidence that the engine has ingested foreign material.	Red	
4. Run up screens removed.	Right	
5. All items cleared. CREW CHUET:	Med	

WING:	MCF. (That's
1. R/H wing for condition & cover plates secured.	Red
2. R/H aileron & tab for security & condition.	Ked
3. R/H flap for security & condition.	Ra
4. R/H fuel caps secured.	Red
5. R/H wing fillets for conditions & security.	R
6. R/H pcgo installed & latched.	R
7. L/H wing for condition & cover plates secured.	N'ast
8. L/H aileron & tab for security & condition.	Red
9. L/H flap for security & condition.	Red
10. L/H fuel caps secured.	- Red -
11. L/H wing fillets for condition & security.	Red
12. L/H pogo installed & latched.	Red
13. L/H & R/H outboard fuel drain valves checked for water.	Ked
14. All items cleared. CREW CHIEF:	- alex
FUSELAGE	
1. External skin for condition.	Be
2. Ejector for condition.	124
3. Dive flap (speed brakes) for condition & hydro leaks.	130
4. Engine mounts & tail pipe for security.	Sen
5. All cover plates secured on top of fuselage.	Ben
6. Tail pipe & turbine for cracks or evidence of foreign material passing through turbine.	Bir
7. All items cleared. CREW CHIEF:	- Oley
EMPENNAGE:	10-
1. Stabilizer for condition.	1/32
2. Elevator & tab for condition & security.	Ben
3. Elevator tab for servo action.	134-

EMPENNAGE: (Continued)		Ju <u>Fa</u>
4, Vertical stabilizer for condition.	130-	
5. Vent line open.	Be	
6. Rudder for security & condition.	Ben	
7. Fillets for security & condition.	Bear	
8. All items cleared. CREW CHIEF:	Met	
TAIL GEAR:	3.	
1: Doors for security.	13e	
2. Tires for condition.	Rem	
3. Steering cables & brackets for condition & security.	Ben	-
4. Strut for condition & cleanliness, proper pressure is 335 psi extended or 3.75 inches compressed.	13cm	
5. Micro switch for security & condition.	132 many	
6. All items cleared. CREW CHIEF:	Mus _	
MAIN GEAR & WELL:		-
1. Door for security & condition.	ales	
2. Control cables for condition, turnbarrels safetied.	Med	
3. Uplock release cable & spring secure.	slex	
4. Retract mechanism & cyl. for condition.	aley	
5. Strut for condition, proper pressure or height & cleanline Pressure 180 psi extended or 4.5 inches compressed.	ss. alex	
6. Brakes for clearance & freedom of leaks.	alex	- Andrew Constitution of the Constitution of t
7. Tires for condition & pressure, 240 lbs.	alex	
8. All items cleared. CREW CHIEF:	alex	
ENGINE COMPARTENT:		-
1. Throttle for security & safety.	Dick	
2. Main & aux. fuel tank transfer valves open & safetied.	Diek	
3. Manual fuel shut off open & safetied.	Dick	
4. Main fuel strainer drained or checked for water.	056	

ENGINE COMPARTMENT: (Continued)	MECH.	
5. Check accumulator pressure, 800 psi.	Dich	and the second s
6. Hydro Oil tank full.	Dick	
7. Electrical plugs secure & safetied.	Diels	and the second second second second
8. Fuel & oil lines secure & free of leaks.	Duk	-
9. Dive flap shut off valve safetied open.	Diet	
10. Engine side plates installed.	Duck	and the section of the section of the section of
11, OK to install aft lower engine cover & drain lines.	7 mb	de aleman e printe de la comprese de
12. All items cleared. CREW CHIEF:	My	nagagaga a saganganawa wandiga nalikiwa " " nagagaga a sagan a sagan a sagan diga na " " " " "
SEXTANT:		
1. Lighting, DAY, NIGHT and OFF.		
2. AZIMUTH control movement, 360° both ways.	1-0	Control of the Contro
3. HEADING control movement, four rotations.	1	
4. ELEVATION control movement, high and low, visibility of objects.		
5. Averager time.	1	an and an and the second second to be selected.
6. Bubble diameter.	107	
7. Average error.	12	aur anna mhaidh anns suar bharail se a tha an anna bhig A. 🕈
8. Standard control settings.	12	a a ann a a a ga salamaniana i a a i i i i
9. Light come stowed. Cleanliness of optics.	10	
10. Leave light switch in off position. Turn off rectifier and remove plug from ship.		and the second s
11. All items cleared. CREW CHIEF:		
FINAL SIGN OFF:	18.3	
1. Install lower engine cover fwd. section.	trick	
2. Remove pitot airspeed cover.	ated.	
3. Remove main & tail gear down lock pins.	Diele	
4. Install scissors pin in tail gear.	Warle	<u> </u>

FINAL SIGN OFF: (Continued)	MECH.	INSP.
5. Fuel load /200 Fuel added //86 Oil added O		
Oil level 37 Oxygen / 800	·	
6. Ship released for flight Date 16 Nau 1956		25X1A
Time 67:30		
AIRCRAFT GENERAL:		angen delegende på sykkresjanske skrivet for tr
1. Elect and radio pre flight.	aning-aning-aning-aning-aning-aning-ani-	haganga (maggananggah maga kipinipin magganilan tapangan a m
2. Install and check special equipment.		ngan ngan saman kandan saman sa men
3. Check destr. circuit.		
4. Install and connect destr.	and the second second	gargene and gargeress plants are a sign or related which all it is the
5. Install upper hatch.		mana dia mandakan salah salah di salah di salah di salah di salah salah di salah di salah di salah di salah di
6. Pilot enter cockpit.		
7. Pilot check cockpit.		and a separation of the separation of the
8. Start MA-2 on signal from pilot.		
9. Start engine.		
10. Disconnect MA-2		
11, Close canopy.		
12. Pull gear pins.		
13. Pull chocks.		
14. Crew Chief signal all OK on outside for take-off.	<u></u>	
15. Pick up Pogo's after take-off.		
16. All items cleared. CREW CHIEF:		
AFTER LANDING:	1	n was sindran, 2/8 -0/8 N ib Jib -0 - 1 4
1. Install Pogo's.		
2. Tow aircraft to hangar.		
3. Check with pilot to assure all discrepancies have been entered on 781-2.		
4. Correct discrepancies.		
5. All items cleared. CRIW CUCT: Approved For Release 2000/04/18: CIA-RDP89B00551R000'	1002100	 11-5

¹ Approved For Release 2000/04/18 : CIA-RDP89B90551R000100210011-5

ENGINE RUN DATA

DATE	TEST	. I	ARTICLE	·	OPERATION	
START			START		START	
STOP						
						The second secon
TIME					na angan	
RPM Idle 50 Max. 91-95						
JET TEMP. Idle 200-300 Max. 500-580					r ng nguyê digilangan yang didangan dipingan hadi dipingan	
FUEL PRESS. Idle 15-20 Max. 8-12						
START TOTALIZER						
END TOTALIZER					and the same of th	and the second s
ELAPSED TIME						annanga ar gilardahi, ayar dalam annangan ajin mindaarah minda hira y a .
LOADMETER .05 3 2 3 HYDRO. PRESS.						The second secon
2800-3100						
OIL PRESS. 40-50 OIL TEMP, Idle 0-70 Max, 0-80						and the same of th
ENGINE COMP. TEMP.						
AFT FUEL, TEMP.						The state of the s
PRESS. RATION 80% 1.2-1.6 Max. 2.2-2.5						
WING FLAPS						-
DIVE BRAKES						
GUST						and the second s

FOSTFLIGHT INSPECTION

	MECH.
REPARATION:	
1. Fire extinguisher provided.	
2. Landing gear downlock pins installed.	
3. Wheels chocked.	
4. Auxiliary static ground installed.	<u></u>
5. Dive flaps closed shutoff valve "OFF".	
6. DD Form 781 for discrepancies.	
7. Switches "OFF".	
8. Necessary fairing, panels and access doors removed or opened; closed or reinstalled upon completion of the inspection.	
9. Dust excluder plugs and wing, empennage, canopy and pitot covers installed upon completion of the inspection.	
IRFRAME (SYSTEM NO. 3)	
l. Aircraft for cleanliness.	
2. Wings, fuselage, empennage and control surfaces for damage; -drain holes for obstruction.	
3. Static ground wire for security and positive contact with ground.	
4. Fairings, pannels, and doors for damage and insecurity.	
5. Battery area for evidence of leakage or overflow of electrolyte.	
6. Dive brakes track for cleanliness; flaps, tracks, and linkage for damage and insecurity; actuators, lines hoses, and connections for insecurity and evidence of leakage; lines and hoses for chatting and damage.	
7. Windshield and canopy for cleanliness, distortion, nicks, crazing, cracks, and scratches.	
8. All required Postflight entries made in applicable forms.	
9. Shoulder harnesses and safety belts for cleanliness.	
ANDING GEAR (SYSTEM NO. 4)	
1. Landing gear and wheels for damage and free of mud, grass and Approved For Release 2000/04/18: CIA-RDP89B00551R000100210	,

		MECH.
2.	Shock struts for evidence of leakage; polished surfaces of shock struts and hydraulic pistons cleaned with cloth moistened in hydraulic fluid.	4
3.	Microswitches for cleanliness, damage, and insecurity.	and the state of t
4.	Doors and actuating mechanism for damage, insecurity and evidence of improper adjustment.	- marriage a magazintal della companya pilon medi. Ambar a p
5.	Wheels for evidence of overheating in area adjacent to brakes.	· · · · · · · · · · · · · · · · · · ·
6.	Tires for uneven wear, cuts or blisters; free of grease or oil; slippage marks for misalignment.	and the second s
7.	Accessible brake lines, hoses, connections and components for leakage with parking brakes "SET".	
8.	Accessible components, lines, hoses and connections for insecurity and evidence of leakage; lines and hoses for chaffing and damage.	e de la companya de l
9.	Brake system reservoir for required fluid level; filler plug for security.	
HYDRA	AULIC PNEUMATIC (SYSTEM NO. 5)	handlerstein eine Stein
1.	Accessible components, lines, hoses, and connections for in- security and evidence of leakage; lines and hoses for chaffing and damage.	
UTILI	TY (SYSTEM NO. 6)	
1.	Oxygen system and components:	
	a. Recharge to 1850 psi.	,
	b. Regulator for steady flow by turning the pressure control knob about 90 degrees clockwise.	
generiyasini dikenteriya bil	c. Regulator system for leakage by ensuring that there is no audible escape of oxygen with diluter in "100% OXYGEN".	alder regressions and address to be seen as the
	d. Regulator diaphragm and mask-to-regulator tubing for leakage when a slight pressure is applied at the open end of the mask-to-regulator tube by blowing gently with diluter lever set at "100% OXYGEN"; set regulator diluter at "NORMAL OXYGEN" upon completion of tests.	
	e. Hose from regulators for tears, holes, kinks and insecurity.	entigenthead Laterbrightentheadpline & e 1941 - 41-
	f. Knurled coller and hose on regulator outlet elbows properly tightened (point to suit user's convenience).	
	g. Flow indicators for operation. (With regulator set at "100% OXYGEN", blinker should move freely with each normal breath from mask-to-regulator tubing). Approved For Release 2000/04/18: CIA RDP89B00551R000100210)11-5

MECH

POWER PLANT (SYSTEM NO. 7) Exhaust cone for soot swirls and heat streaks indicating faulty fuel nozzles. (If found, inspect inner liners, nozzles and domes). Turbine wheel for broken buckets. Buckets for nicks and dents beyond specified tolerance. 3. Nozzle diaphragm blades for damage. Engine for evidence of leakage; loose or missing nuts, bolts, studs, or clamps; proper safetying where required. Diaphragm and air seal assemblies for cracks and insecurity. FUEL (SYSTEM NO. 8) Exterior of aircraft for evidence of leakage. 2. Tanks serviced; tank filler necks and cap seals for damage or excessive wear; caps for proper seating. OIL (SYSTEM NO. 9) Engine reservoir for required servicing; filler cap for security. 2. Exterior of fuselage for evidence of leakage. System components, lines, and hoses for damage; lines and hoses for chafing. AIR INDUCTION AND EXHAUST (SYSTEM NO. 11) 1. Air intake ducts for damage and foreign material. Tailpipe for cracks and distortion beyond permissible limits; tailpipe clamp and blankets for damage and insecurity. ELECTRICAL (SYSTEM NO. 14) Spare lamps and fuses available in holders. INSTRUMENTS (SYSTEM NO. 15) 1. Pitot head and static plates for damage and insecurity. Instruments, panels and brackets for damage and insecurity. 2. 3. Instrument cover glasses for cleanliness, cracks, and looseness; range, slippage and limit markings intact. Standby compasses for discoloration of fluid and evidence of bubbles. Approved For Release 2000/04/18 : CIA-RDP89B00551R000100210011-5

	MECH
5. Thermocouple leads for damage and insecurity.	7
6. Autopilot:	
a. Power on.	
 b. Inverter on. c. After 3 minutes turn autopilot on. (Stick should not move fore or aft.) 	
d. Check roll trim knob for operation. Wheel should move approximately the same distance each direction.	
e. Check yaw trim knob for operation.	
f. Check pitch trim knob for operation.	
g. Check turn knob for operation.	
h. Overpower autopilot in all three axes. (Stick and rudder pedals should return smoothly to initial position.)	
i. Center yaw and roll trim knobs.	
j. Inverter off.	
k. Power off.	
R & R (SYSTEM NO. 16)	
1. Visually inspect the following items;	
a. Antenna lead-in for damaged insulators, proper spacing from surrounding objects, and insecurity of connections.	
b. Plugs for proper insertion in jacks and receptacles.	
c. Junction boxes and covers for damage.	
d. Headset and microphone cordage and plugs for damage and proper stowage.	

REMARKS:

SIGNATURE	
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